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(19) **United States**(12) **Patent Application Publication****Roessel et al.**(10) **Pub. No.: US 2014/0248888 A1**(43) **Pub. Date: Sep. 4, 2014**(54) **METHOD AND APPARATUSES FOR
CONFIGURING A COMMUNICATION
CHANNEL****Publication Classification**(51) **Int. Cl.**
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(2), (4) Date: **Mar. 3, 2014**(57) **ABSTRACT**

There is provided a method for configuring a communication channel between a base station and a user equipment within a cellular network system. The cellular network system includes at least one cooperation area. The base station is assigned to the at least one cooperation area, and the user equipment is served by the base station. The method includes applying, by the base station, a vertical sectorization and thereby creating the at least one cooperation area, determining, by the base station, the location of the user equipment in relation to the at least one cooperation area, and configuring, by the base station, the communication channel between the base station and the user equipment by using coordinated multipoint processing, if the determined location of the user equipment corresponds to a predetermined location.

